

IN THE UNITED STATES PATENT AND TRADEMARK OFF Technology Center 2100

In re application of

Kenneth J. Hines

Application No. 09/888,082

Filed: June 22, 2001

For: DYNAMIC CONTROL GRAPHS FOR

ANALYSIS OF COORDINATION-CENTRIC

SOFTWARE DESIGNS

Date: January 23, 2003

HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

Group Art Unit: 2122

COMMISSIONER FOR PATENTS WASHINGTON, DC 20231

ON: A January 23, 2003

Connie English

TRANSMITTAL LETTER

TO THE COMMISSIONER FOR PATENTS:

Enclosed for filing in the above-referenced application are the following:

[✓] Supplemental Information Disclosure Statement

[Form PTO-1499, together with copies of cited references

[] Return receipt postcard

The Commissioner is hereby authorized to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment, to Account No. 19-4455. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Kenneth J. Hines

Steven J. Munson

Registration No. 47,812

STOEL RIVES LLP 900 SW Fifth Avenue, Suite 2600 Portland, Oregon 97204-1268 Telephone: (503) 224-3380 Facsimile: (503) 220-2480 Attorney Docket No. 10488/14:1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

RECEIVED

Group Art Unit: 2122

Kenneth J. Hines

JAN 2 8 2003

Application No. 09/888,082

Technology Center 2100

Filed: June 22, 2001

For:

DYNAMIC CONTROL GRAPHS FOR

ANALYSIS OF COORDINATING-CENTRIC

SOFTWARE DESIGNS

Date: January 23, 2003

Examiner:

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:

COMMISSIONER FOR PATENTS WASHINGTON, DC 20231

Signature English Connie Typed Name

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1.			s duty of disclosure, applicant presents for the Examiner's									
consid	eration	the doci	uments listed on the accompanying Form PTO-1449.									
	[✓]		s of the documents are enclosed.									
	[]	Copies	s (a copy) of document(s) are (is) not enclosed because (1)									
		they ar	re already of record in U.S. Pat. Application No, filed									
			, on which this application relies for an earlier filing date under									
			S.C. § 120, and (2) any information disclosure statement filed in the									
		prosec	ution of U.S. Pat. Application No, complies with 37									
			§§ 1.98(a) and (c). (37 C.F.R. § 1.98(d).)									
2.	[]	Applic	cant(s) draw(s) the Examiner's attention to the enclosed copy of									
			copending U.S. Pat. Application No, filed, for									
			, which is cited in this application.									
_												
3.	This in		ion disclosure statement is being submitted:									
	a.	[✓]	Within three months of the filing date of a national application other									
			than a continued prosecution application under 37 CFR 1.53(d); within									
			three months of the date of entry of the national stage as set forth in 37									
			CFR 1.491 in an international application; before the mailing of a first									
			Office action on the merits; or before the mailing of a first Office									
			action after the filing of a request for continued examination under 37									
			CFR 1.114. (No statement under 37 CFR 1.97(e) is required.)									
	b.	[]	After the period set forth in paragraph 1a, but before the mailing date									
			of either a final action, a notice of allowance, or an action that									
			otherwise closes prosecution in the application. (Check box i. or ii.)									

		i.	[]	A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed.
		ii.	[]	A statement specified by 37 CFR 1.97(e) is set forth below.
	c.	[]	before 1.97(e)	he mailing date of a final action or notice of allowance and on or payment of an issue fee. A statement specified by 37 CFR is set forth below. Enclosed is a \$180.00 information sure statement processing fee set forth in 37 CFR 1.17(p).
4.	[]	The att	torney o	or agent signing below hereby states that:
		[]	statem office	em of information contained in the information disclosure ent was first cited in a communication from a foreign patent in a counterpart foreign application not more than three months to the filing of the information disclosure statement; or
		[]	statem a coun signing inform known	of information contained in the information disclosure ent was cited in a communication from a foreign patent office in terpart foreign application, and, to the knowledge of the person gethe certification after making reasonable inquiry, no item of ation contained in the information disclosure statement was to any individual designated in 37 CFR 1.56(c) more than three is prior to the filing of the information disclosure statement.
5.	[]	docum		forth below concise explanations of the relevance of each in the English language and/or selected documents in the age.

Respectfully submitted,

Kenneth J. Hines

Steven J. Munson

Registration No. 47,812

STOEL RIVES LLP 900 SW Fifth Avenue, Suite 2600 Portland, Oregon 97204-1268 Telephone: (503) 224-3380 Facsimile: (503) 220-2480 Attorney Docket No. 10488/14:1

<u>, 51</u>														Sheet 1 o	f 5
								DE EN SCI	PARTMENT AND TR	NT OF COMMERCE ADEMARK OFFICE SITATION arv)				APPLICATIC 09/888,082	N NO.
(Oses several she											FILING DATE			GROUP	
									U.S	S. PATENT DOCUMENTS					
EXAMINER INITIAL				ooc		1EN	Т		DATE	NAME	C	CLASS	SUBCLASS		DATE
	AA	5	4	2	8	7	8	2	6/27/95	White	39	95	650		
	AB	5	6	4	2	4	7	8	6/24/97	Chen, et al.	39	95	183.21	RECE	-
	AC	5	7	2	4	5	0	8	3/3/98	Harple, Jr. et al.	39	95	200.04	RECEI	VED
	AD												Tech	~ 0	<i>2003</i>
	AE													hology Cen	ter 210
	AF														
	AG														
	AH		ļ	_											
	AI														
	AJ				_										
	AK		L												
	1								FORE	IGN PATENT DOCUMENT	S		·		
EXAMINER			I	000						GOLDIMAN			CLIDGE AC		LATION
INITIAL	AL		EF		JME 881		A2		DATE 29.05.1998	COUNTRY		CLASS 06F	SUBCLASS 9/46	S YES	NO
	AM	T	EF	0 8	322	484	A2		04.02.1998	Europe	G	06F	9/44		
	AN	Ħ	Γ												
	AO		T					<u> </u>		3324					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Ken Hines and Gaetano Borriello, "A Geographically Distributed Framework for Embedded System Design and Validation," DAC AR 98, June 15-19, 1998, San Francisco, CA USA, pp. 140-145. Gopalan Suresh Raj, "A Detailed Comparison of CORBA, DCOM, and Java/RMI," Web Cornucopia, AS wysiwyg://402/http://gsraj.tripod.com/misc/compare ΑT "CORBA Overview," CORBA v2.0, July 1995, pp. 2-1 to 18-5

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AP

Sheet 2 of 5

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

NFORMATION DISCLOSURE CITATION (Uses several sheets if necessary)

FORM PTO-1449

(REV. 7-80)

ATTY. DOCKET NO.	APPLICATION NO.
10488/14:1	09/888,082
APPLICANT	
Kenneth J. Hines	
FILING DATE	GROUP
June 22, 2001	2122

DATE CONSIDERED

ATENTE					U.S. P	ATENT DOCUMENTS						
EXAMINER INITIAL		I	DOCUM NUM		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	AA											
	AB							PEC JAN 2 Technology (~			
	AC							JAN 9	LIVEL)		
	AD							Technolog	8 2003			
	AE								enter 210	ρ		
	AF											
	AG											
	AH											
	AI											
	AJ											
	AK											
					FOREIG	N PATENT DOCUMENTS	,					
EXAMINER INITIAL		I	DOCUI NUM		DATE	COUNTRY	CLASS	SUBCLASS	TRANSI YES	ATION		
INTIAL	AL		NOM	DEK	DAIL	COONIKI	CEPROO	SCECE ASS	125	I NO		
	AM											
	AN											
	AO											
	AP											
		L,L		OTHER	DOCUMENTS (Inc	cluding Author, Title, Date, Pertine	ent Pages, etc.)					
	AR											
	AS	S Christopher B. Borchert, "Organization and Management of Distributed Execution Event Histories For Real-Time Debugging," <i>IEEE</i> , pp. 343-345.										
	AT	T Mariano P. Consens, Masum Z. Hasan, Alberto O. Mendelzon, "Visualizing and Querying Distributed Event Traces with Hy+," Computer Systems Research Institute, University of Toronto, June 1994, pp. 123-141.										

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER

<u></u>											Sheet 3 of	f 5	
FORM PTO (REV. 7-80)							OF COMMERCE DEMARK OFFICE	ATTY.	DOCKET 1		APPLICATION NO. 09/888,082		
· E JC	INF)RN	πап	יוחוי	N DISC	ATION	APPLIC	CANT		·			
19 8		(U	ses	sev	eral she	eets if necessary)	Kennetl	h J. Hines				
0 %	8							FILING	DATE	G	ROUP		
THE STATE OF	THE STATE OF THE S					CLOSURE CITA eets if necessary		June 22	, 2001	2	122		
PATENT 8	A TRANS					U.S. P.	ATENT DOCUMENTS						
EXAMINER INITIAL			DOC NI	CUM JMB		DATE	NAME		CLASS	SUBCLASS	FILING IF APPRO		
	AA												
	AB									RE	````		
	AC									JAN	\$ 8 200	Ď	
	AD									Technologic	8 200	3	
	AE									Technolog	Center 2	100	
- "	AF											•	
	AG												
	АН												
	AI												
	AJ												
	AK												
		•				FOREIGN	N PATENT DOCUMENTS	S			·		
EXAMINER			DOG	CUM	ENT							LATION	
INITIAL			NU	JMB	ER	DATE	COUNTRY		CLASS	SUBCLASS	YES	NO	
	AL	_	-	H								-	
	AM AN												
	AO	-											
	AP	-										<u> </u>	
	, Ai				OTHER	DOCUMENTS (Inc	luding Author, Title, Date, Pe	ertinent Pag	es, etc.)			<u> </u>	
	AR	Wei and	ntong Disti	Cai,	Wendy	J. Milne and Stephen	J. Turner, "Graphical Views No. 2, Orlando, FL, USA, pp	of the Beha		allel Programs,"	' Journal of F	Parallel	
	AS												
	AT	Tho Exe	mas cutio	Kunz	z, David . EEE, 199	J. Taylor, and James 97, pp. 452-461.	P. Black, "Poet: Target-Syste	em-Indepen	dent Visual	izations of Com	plex Distribu	ıted	

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

Sheet 4 of 5 APPLICATION NO. U.S. DEPARTMENT OF COMMERCE FORM PTO-1449 ATTY. DOCKET NO. PATENT AND TRADEMARK OFFICE (REV. 7-80) 10488/14:1 09/888,082 APPLICANT NFORMATION DISCLOSURE CITATION (Uses several sheets if necessary) Kenneth J. Hines FILING DATE **GROUP** 2122 June 22, 2001 U.S. PATENT DOCUMENTS **FILING DATE** DOCUMENT **EXAMINER SUBCLASS** IF APPROPRIATE **CLASS** INITIAL **NUMBER** DATE NAME AA AB AC AD ΑE AF AG ΑH ΑI AJ AK FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT **EXAMINER SUBCLASS CLASS** YES NO INITIAL NUMBER DATE COUNTRY AL AM AN AO ΑP OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER DATE CONSIDERED

Synthesis," Proceedings of the IEEE, Vol. 85, No. 3, March 1997, pp. 366-389.

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Parallel Programs," 8398 ACM Sigplan Notices, December 28, 1993, No. 12, New York, US, pp. 12-20.

Doug Kimelman and Dror Zernik, "On-the-Fly Topological Sort - A Basis for Interactive Debugging and Live Visualization of

Mikhail Auguston, "Building Program Behavior Models," Dept. of Computer Science, New Mexico State University, pp. 19-26.

Stephen Edwards, Luciano Lavagno, Edward A. Lee, et al., "Design of Embedded Systems: Formal Models, Validation, and

AR

AS

AT

Sheet 5 of 5

FORM PTO-1449 (REV. 7-80)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY, DOCKET NO.	APPLICATION NO.
10488/14:1	09/888,082
APPLICANT	

JC		•
AND .	TEST TO SERVICE SERVIC	
` `	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	

INFORMATION DISCLOSURE CITATION (Uses several sheets if necessary)

Kenneth J. Hines

FILING DATE GROUP

June 22, 2001 2122

Jah . Of								June	22, 2001		2122	
PATENT & TRA						U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL			DOCUMEN NUMBER			DATE	NAME		CLASS	SUBCLASS		G DATE OPRIATI
	AA											
	AB			\vdash	+					,	ECEIL	
	AC			-						J/2	RECEIV A 2 8 200 By Center 2	<u> </u>
	AD		_ -							**************************************	9V 0-	93
	AE				1						Center	5 ₁₀₀
	AF											
	AG											
	AH											
	AI											
	AJ											
	AK											
			•			FOREIC	ON PATENT DOCUMENTS	3		-		
EXAMINER INITIAL		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	,	LATION NO
,	AL											
	AM											
	AN											
	AO											
	AP							_				
			· ·	OTI	IER D	OCUMENTS (I	ncluding Author, Title, Date, Pe	rtinent P	ages, etc.)			
	AR	Pai Ch Systen	ou, Rons," pp	oss Or o. 44-4	tega, I 19.	Ken Hines, et al.,	"IPChinook: An Integrated IP-I	based De	esign Framewo	ork for Distrib	uted Embedde	:d
	AS	Pai Ch Modal	ou, Ke Proces	en Hin sses,"	es, Ku	art Partridge and 5-53.	Gaetano Borriello, "Control Ge	neration	for Embedded	l Systems Bas	ed on Compos	ition of
1, <u>11</u> 17	АТ	Pai H.			aetano	Borriello, "Syn	thesis and Optimization of Coor	dination	Controllers for	or Distributed	Embedded Sy	stems,"
EXAMINER	_L			*					DATE CO	NSIDERED		

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.